

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

| | | | |
|-------|---|-----|---|
| Sheet | 1 | of. | 1 |
|-------|---|-----|---|

Complete if Known

| | |
|------------------------|---------------------|
| Application Number | 10/722,653 |
| Filing Date | November 26, 2003 |
| First Named Inventor | THOMAS L. EGAN, JR. |
| Art Unit | |
| Examiner Name | |
| Attorney Docket Number | |

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|-----------------------|---|--------------------------------|---|---|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| ea | | DE German 2350759 A1 | 06/1975 | — | 1 | |
| 1 | | DE German 1012628 | 07/1957 | — | 1 | |
| | | JP Japanese 2887720 | 05/17/1994 | TAKAHARU, ETAL | | |
| | | RU Russia 2001985 C1 | 10/1993 | — | | |
| | | | | | | |
| | | | | | | |

**Examiner
Signature**

Markus Re

| | |
|------------|--|
| Date | |
| Considered | |

4/5/04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**


If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

| Title of Invention | CONCRETE RAILROAD GRADE CROSSING PANELS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|------------|------------|------------------|------|-------|----------|------|----------|------------|------|----------|------|-------|----------|-------------------------------------|---|---------|------------|------|----|-----|---|--------------------------|---|---------|------------|------|--|-----|---|--------------------------|---|---------|------------|------------------|--|-----|---|--------------------------|---|---------|------------|-----------------|--|-----|---|--------------------------|---|---------|------------|--------|--|-----|---|--------------------------|---|---------|------------|-----------|--|-----|---|--------------------------|---|---------|------------|--------------|--|-----|---|--------------------------|---|---------|------------|-------------|--|-----|---|--------------------------|---|---------|------------|---------|--|-----|---|--------------------------|----|---------|------------|---------|--|-----|---|--------------------------|----|---------|------------|-------------|--|-----|---|
| <p>Application Number: 10/722653 </p> <p>Confirmation Number: 7654</p> <p>First Named Applicant: THOMAS EGAN</p> <p>Attorney Docket Number:</p> <p>Search string: (6588676 or 6439470 or 6431462 or 6129288 or 6068195 or 6079630 or 5899379 or 5850970 or 5813602 or 5740961 or 5655711 or 5626289 or 5609294 or 5538182 or 5535948 or 5535947 or 5464152 or 5181657 or 5096117 or 5035533 or 4911360 or 4899933 or 4899932 or 4860952 or 4823452 or 4793545 or 4691863 or 4641779 or 4461421 or 4457468 or 4449666 or 4368845 or 4365743 or 4267969 or 4253605 or 4236670 or 4147304 or 4093120 or 3955761 or 3892356 or 3863840 or 3825184 or 3469783 or 3066869 or 3056555 or 2950057 or 2789771 or 1694557 or D301435).pn.</p> <p>US Patent Documents</p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td><input checked="" type="checkbox"/></td><td>1</td><td>6588676</td><td>2003-07-03</td><td>BIRT</td><td>B1</td><td>238</td><td>8</td></tr><tr><td><input type="checkbox"/></td><td>2</td><td>6439470</td><td>2002-08-27</td><td>HULL</td><td></td><td>238</td><td>8</td></tr><tr><td><input type="checkbox"/></td><td>3</td><td>6431462</td><td>2002-08-13</td><td>APOSTOLOU ET AL.</td><td></td><td>238</td><td>8</td></tr><tr><td><input type="checkbox"/></td><td>4</td><td>6129288</td><td>2000-10-10</td><td>PETERSEN ET AL.</td><td></td><td>238</td><td>8</td></tr><tr><td><input type="checkbox"/></td><td>5</td><td>6068195</td><td>2000-05-30</td><td>GAUDET</td><td></td><td>238</td><td>8</td></tr><tr><td><input type="checkbox"/></td><td>6</td><td>6079630</td><td>2000-06-27</td><td>SCHROEDER</td><td></td><td>238</td><td>8</td></tr><tr><td><input type="checkbox"/></td><td>7</td><td>5899379</td><td>1999-05-04</td><td>BRUYN ET AL.</td><td></td><td>238</td><td>8</td></tr><tr><td><input type="checkbox"/></td><td>8</td><td>5850970</td><td>1998-12-22</td><td>HULL ET AL.</td><td></td><td>238</td><td>8</td></tr><tr><td><input type="checkbox"/></td><td>9</td><td>5813602</td><td>1998-09-29</td><td>HOLLAND</td><td></td><td>238</td><td>8</td></tr><tr><td><input type="checkbox"/></td><td>10</td><td>5740961</td><td>1998-04-21</td><td>BRUNING</td><td></td><td>238</td><td>8</td></tr><tr><td><input type="checkbox"/></td><td>11</td><td>5655711</td><td>1997-08-12</td><td>HULL ET AL.</td><td></td><td>238</td><td>8</td></tr></tbody></table> | | | | | | | | init | Cite.No. | Patent No. | Date | Patentee | Kind | Class | Subclass | <input checked="" type="checkbox"/> | 1 | 6588676 | 2003-07-03 | BIRT | B1 | 238 | 8 | <input type="checkbox"/> | 2 | 6439470 | 2002-08-27 | HULL | | 238 | 8 | <input type="checkbox"/> | 3 | 6431462 | 2002-08-13 | APOSTOLOU ET AL. | | 238 | 8 | <input type="checkbox"/> | 4 | 6129288 | 2000-10-10 | PETERSEN ET AL. | | 238 | 8 | <input type="checkbox"/> | 5 | 6068195 | 2000-05-30 | GAUDET | | 238 | 8 | <input type="checkbox"/> | 6 | 6079630 | 2000-06-27 | SCHROEDER | | 238 | 8 | <input type="checkbox"/> | 7 | 5899379 | 1999-05-04 | BRUYN ET AL. | | 238 | 8 | <input type="checkbox"/> | 8 | 5850970 | 1998-12-22 | HULL ET AL. | | 238 | 8 | <input type="checkbox"/> | 9 | 5813602 | 1998-09-29 | HOLLAND | | 238 | 8 | <input type="checkbox"/> | 10 | 5740961 | 1998-04-21 | BRUNING | | 238 | 8 | <input type="checkbox"/> | 11 | 5655711 | 1997-08-12 | HULL ET AL. | | 238 | 8 |
| init | Cite.No. | Patent No. | Date | Patentee | Kind | Class | Subclass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input checked="" type="checkbox"/> | 1 | 6588676 | 2003-07-03 | BIRT | B1 | 238 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | 2 | 6439470 | 2002-08-27 | HULL | | 238 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | 3 | 6431462 | 2002-08-13 | APOSTOLOU ET AL. | | 238 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | 4 | 6129288 | 2000-10-10 | PETERSEN ET AL. | | 238 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | 5 | 6068195 | 2000-05-30 | GAUDET | | 238 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | 6 | 6079630 | 2000-06-27 | SCHROEDER | | 238 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | 7 | 5899379 | 1999-05-04 | BRUYN ET AL. | | 238 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | 8 | 5850970 | 1998-12-22 | HULL ET AL. | | 238 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | 9 | 5813602 | 1998-09-29 | HOLLAND | | 238 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | 10 | 5740961 | 1998-04-21 | BRUNING | | 238 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | 11 | 5655711 | 1997-08-12 | HULL ET AL. | | 238 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|----|---------|------------|------------------------|
| 12 | 5626289 | 1997-05-06 | DEMERS, JR. ET AL. |
| 13 | 5609294 | 1997-03-11 | LUCAS, JR. |
| 14 | 5538182 | 1996-07-23 | DAVIS ET AL. |
| 15 | 5535948 | 1996-07-16 | WILLIAMS |
| 16 | 5535947 | 1996-07-16 | HOGUE ET AL. |
| 17 | 5464152 | 1995-11-07 | WABNITZ |
| 18 | 5181657 | 1993-01-26 | DAVIS |
| 19 | 5096117 | 1992-03-17 | OWEN |
| 20 | 5035533 | 1991-07-30 | BROWN |
| 21 | 4911360 | 1990-03-17 | SPURR |
| 22 | 4899933 | 1990-02-13 | MARTIN |
| 23 | 4899932 | 1990-02-13 | BEACHY ET AL. |
| 24 | 4860952 | 1989-08-29 | SCHMIDT |
| 25 | 4823452 | 1989-04-25 | CLOUTIER |
| 26 | 4793545 | 1988-12-27 | RAYMOND |
| 27 | 4691863 | 1987-09-08 | SMITH |
| 28 | 4641779 | 1987-02-10 | O'BRIEN ET AL. |
| 29 | 4461421 | 1984-07-24 | MAASS |
| 30 | 4457468 | 1984-07-03 | HALES, DECEASED ET AL. |
| 31 | 4449666 | 1984-05-22 | HALES ET AL. |
| 32 | 4368845 | 1983-01-18 | PERRY ET AL. |
| 33 | 4365743 | 1982-12-28 | TRICKEL ET AL. |
| 34 | 4267969 | 1981-05-19 | HALES ET AL. |
| 35 | 4253605 | 1981-03-03 | SIMS |
| 36 | 4236670 | 1980-12-02 | LIMMERGARD ET AL. |
| 37 | 4147304 | 1979-04-03 | BLYTON |
| 38 | 4093120 | 1978-06-06 | CANFIELD |
| 39 | 3955761 | 1976-05-11 | SZARKA ET AL. |
| 40 | 3892356 | 1975-07-01 | HARMON |
| 41 | 3863840 | 1975-02-04 | SZARKA ET AL. |
| 42 | 3825184 | 1974-07-23 | HARTL |
| 43 | 3469783 | 1969-09-30 | URALLI ET AL. |
| 44 | 3066869 | 1962-12-04 | BISHOP |
| 45 | 3056555 | 1962-10-02 | EISSES |
| 46 | 2950057 | 1960-08-23 | SPEER |
| 47 | 2789771 | 1957-04-23 | BISHOP |

| | |
|-----|-----|
| 238 | 8 |
| 238 | 9 |
| 238 | 8 |
| 238 | 8 |
| 238 | 2 |
| 238 | 8 |
| 238 | 8 |
| 238 | 8 |
| 404 | 64 |
| 238 | 5 |
| 238 | 8 |
| 238 | 8 |
| 238 | 8 |
| 29 | 235 |
| 238 | 8 |
| 238 | 8 |
| 238 | 7 |
| 238 | 8 |
| 238 | 8 |
| 238 | 84 |
| 238 | 8 |
| 238 | 8 |
| 238 | 8 |
| 238 | 8 |
| 238 | 8 |
| 238 | 8 |
| 238 | 8 |
| 238 | 8 |
| 238 | 8 |
| 238 | 8 |
| 238 | 8 |
| 238 | 9 |
| 238 | 8 |
| 238 | 8 |
| 238 | 9 |

| | | | | | | |
|-------------------------------------|----|---------|------------|-----------|-----|----|
| <input checked="" type="checkbox"/> | 48 | 1694557 | 1928-12-11 | OETTINGER | 238 | 9 |
| <input type="checkbox"/> | 49 | D301435 | 1986-06-06 | MARTIN | D12 | 49 |

Signature

| Examiner Name | Date |
|---------------|--------|
| <i>Martin</i> | 4/5/04 |